

**Commonwealth of Kentucky**  
**Division for Air Quality**  
**EXECUTIVE SUMMARY**

Final

Title V/ Synthetic Minor / Construction / Operating

Permit: V-07-027

Princeton Peaking Plant

Princeton, KY 42445

February 4, 2008

Esmail Hassanpour, Reviewer

SOURCE ID: 21-033-00038

AGENCY INTEREST: 85174

ACTIVITY: APE20070001

**SOURCE DESCRIPTION:**

The Princeton Peaking Plant applied to the Kentucky Division for Air Quality on May 5, 2007, to construct and operate an electric generating facility in Princeton, KY. Additional information was provided to the Division on August 20, 2007. The electricity will be generated using nine Caterpillar Model 3516 B reciprocating engines, or similar equipment. The engines will be used to meet peak electricity demand. The reciprocating engines offer quick-start capability and will drive generators to produce electric power for distribution. Each engine will have an approximate heat input of 21.74 MMBtu/hr (HHV) with nominal output of 2 MW. The units use No. 2 fuel oil. Combined operating hours for all engines will be limited to 7800 hours per year. Two 32,000 gallons storage tanks will be constructed as part of the project. These two tanks are now insignificant activities, are moved from the permit Section B to Section C, and are exempt from Regulation 401 KAR 60:005, Sections 2 and 3(1)(q) - incorporates by reference 40 CFR Part 60.110b to 60.117b (Subpart Kb). Maximum throughput of No. 2 fuel oil will be 1,379,700 gallons per year. This throughput may be through a single tank or split between the two tanks.

**PUBLIC AND AFFECTED STATE REVIEW:**

The U.S. EPA was notified of the issuance of the proposed permit on September 30, 2006 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.